

**AGENDA ITEM SUMMARY**

DATE: 4/15/13 DEPARTMENT: PW – Water & WW DEPT. HEAD SIGNATURE: 

**SUBJECT:** Public Hearing on Water and Wastewater Issues:

**Water:** Discussion of how the Idaho Department of Water Resources' implementation of surface and groundwater conjunctive management could affect the irrigation of parks, trees, and lawns in Hailey, with consideration of increased fees for planning to avoid future ill-effects of conjunctive management.

**Wastewater:** Discussion of needed improvements to Hailey's treatment facilities for sludge (biosolids) treatment, including removal of 37 year-old dome and installation of correct facility for holding tanks, with consideration of increased fees for engineering more precise project costs.

**AUTHORITY:**  ID Code \_\_\_\_\_  IAR \_\_\_\_\_  City Ordinance/Code \_\_\_\_\_  
(IF APPLICABLE)

**BACKGROUND/SUMMARY OF ALTERNATIVES CONSIDERED:**

**Water:** The attached outline provides a general overview of the issues involved with conjunctive administration of surface and groundwater rights and increased costs to address this issue. Mike Creamer of Givens, Pursley will discuss basic water rights law and the application to conjunctive management. Christian Petrich and Roxanne Brown of SPF Water Engineering follow with a discussion on the preparation of a groundwater flow model for the Wood River Valley, conjunctive management experiences in other parts of Idaho and the City of Hailey water rights. Information from the first meeting of the groundwater flow model technical advisory group is also included.

**Wastewater:** Mike Zeltner of HDR Engineering will be present to discuss the next steps for the design of a new biosolids handling facility at the WWTP. A scope of work from HDR is included in the packet outlining the cost and schedule for a design and cost estimate sufficiently ready for bidding. I will lay out possible schedules for the biosolids project and a bond election date. I also have two spreadsheets showing the estimated impact on sewer fees depending on the schedule and scope of work chosen. Should the city council proceed with additional engineering in this budget year an increase in sewer rates for the months of May through September will be required to remain in compliance with our refinanced WW bond.

In addition I have attached spreadsheets showing a comparison between Hailey and 20 other cities in Idaho for sewer and water fees. I have also attached a spreadsheet showing new proposed rates for summer water use for planning to avoid future ill-effects of conjunctive management.

**FISCAL IMPACT / PROJECT FINANCIAL ANALYSIS:** Caselle # \_\_\_\_\_  
Budget Line Item # \_\_\_\_\_ YTD Line Item Balance \$ \_\_\_\_\_  
Estimated Hours Spent to Date: \_\_\_\_\_ Estimated Completion Date: \_\_\_\_\_  
Staff Contact: \_\_\_\_\_ Phone # \_\_\_\_\_  
Comments:

**ACKNOWLEDGEMENT BY OTHER AFFECTED CITY DEPARTMENTS:** (IF APPLICABLE)

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> City Administrator | <input type="checkbox"/> Library             | <input type="checkbox"/> Benefits Committee |
| <input type="checkbox"/> City Attorney      | <input type="checkbox"/> Mayor               | <input type="checkbox"/> Streets            |
| <input type="checkbox"/> City Clerk         | <input type="checkbox"/> Planning            | <input type="checkbox"/> Treasurer          |
| <input type="checkbox"/> Building           | <input type="checkbox"/> Police              | _____                                       |
| <input type="checkbox"/> Engineer           | <input type="checkbox"/> Public Works, Parks | _____                                       |
| <input type="checkbox"/> Fire Dept.         | <input type="checkbox"/> P & Z Commission    | _____                                       |

**RECOMMENDATION FROM APPLICABLE DEPARTMENT HEAD:**

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**ADMINISTRATIVE COMMENTS/APPROVAL:**

City Administrator \_\_\_\_\_ Dept. Head Attend Meeting (circle one) Yes No

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**ACTION OF THE CITY COUNCIL:**

Date \_\_\_\_\_

City Clerk \_\_\_\_\_

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**FOLLOW-UP:**

\*Ord./Res./Agrmt./Order Originals: Record  
Copies (all info.): \_\_\_\_\_  
Instrument # \_\_\_\_\_

\*Additional/Exceptional Originals to: \_\_\_\_\_  
Copies (AIS only)

## **Public Hearing on Water & Wastewater Issues**

Theme: The combined cost for the citizens of Hailey for Water & Wastewater services are approximately one-half of the costs in other Idaho cities. This will not be the case moving forward when factoring in the impacts of Conjunctive Administration, tightening EPA permit limits on wastewater discharges and a new biosolids handling facility. This public hearing and discussion is intended to outline the reasons for a review of our fees and discuss possible increases.

### **Water Issues**

Water Rights – Water Law 101 (Mike Creamer)

Water Rights – City Portfolio (Roxanne Brown)

Water Uses – Consumptive vs non-consumptive (vulnerabilities) (Christian Petrich)

### **Conjunctive Administration of Water Rights – Impacts on City of Hailey**

#### **Update on Conjunctive Administration Possibilities**

Christian Petrich and Roxanne Brown from SPF Water Engineering will present an update on what Conjunctive Administration of Water Rights could mean and discuss the possible impacts on the City of Hailey water rights.

#### **Groundwater Flow Model**

The USGS has begun work on a groundwater flow model that is intended to show the interface between groundwater pumping and impacts on surface water flow. This is a continuation on the work previously done by the USGS on groundwater supply in the WRV, the hydrology of the valley and a water balance estimation. It also links with the formation by IDWR of a Groundwater Measurement District which will track the pumping records of all water rights in the area beginning this April. Christian Petrich is our technical expert on the group reviewing the work by USGS and can provide additional information on the work ahead.

#### **Current City of Hailey Plans – Surface water uses in Parks**

Curtis and Deerfield Parks have pumping systems using Hiawatha Canal water rights. Keefer and Balmoral Parks are tied to the Woodside Blvd irrigation main and will eventually use Hiawatha Canal surface water rights for irrigation. SPF Water Engineering is also preparing plans for using additional surface water rights for irrigating Hop Porter, Lions and Heagle Parks. Old Cutters Park has always used surface water rights for irrigation. This will leave McKercher, Foxmoor and Echo Hill as the only parks solely on city potable water.

## **Master Plan for Water System**

Last Master Plan completed in 2002

Major projects from plan completed:

- Quigley Water Tank

- Water Main alongside bike path from Indian Creek Water Tank to Elm St

- Water Meters installed and metered rates set

- Second water main link to Woodside around Airport property

- SCADA (Supervisory Control and Data Acquisition) System Improvement

## **Increase of Fees/Rates - Reasons**

Preparation for mitigation options for Conjunctive Administration

The possible mitigation options for when conjunctive administration is instituted in the WRV will not be free and may be quite costly on an ongoing basis. The exact cost won't be known until the groundwater flow model is completed and the possible impacts on the use of city wells are better understood. However, rather than wait until the last minute it will better serve us to outline the possible options ahead of conjunctive administration.

Cost of Technical Support for Groundwater Flow Model Construction

While USGS is preparing the groundwater flow model under a contract with IDWR it is in the city's best interest to have its own technical representation to review the flow model construction and put forward the city's interests.

Water Master Plan Update – Aligning with Mitigation Options Work

The work completed in the last 10 years, since the completion of the water master plan in 2002, has led to a significant reduction in water use, most notably during the irrigation season. While a master plan looks at items such as current operations, capital improvements, and water consumption forecasts the more important issue this time will be current water rights and how to address conjunctive administration of water rights.

Review of Fees/Rates included in Master Plan update

A review of the current rates for necessary adjustments to account for the costs for mitigation efforts and other increased costs will be a part of the master plan update. The cost of a water master plan is estimated cost at \$100,000 and would take 9 – 12 months for completion.

### City of Hailey Water Rights

WR No.	Priority Date	Authorized Diversion Rate (cfs)	Authorized Diversion Rate (gpm)	Use	Notes
<b>Indian Creek Spring</b>					
37-296A	4/1/1880	2.62	1,176	Municipal	
37-717A	8/1/1907	1.72	772	Municipal	
37-717B	8/1/1907	0.76	341	Municipal	
37-1216	4/1/1884	0.90	404	Municipal	
37-7854	7/23/1980	3.38	1,517	Power	non-consumptive use
<b>Total</b>		<b>3.38</b>	<b>1,517</b>		
<b>Big Wood River</b>					
37-906	4/1/1940	1.039	466	Municipal	for Irrigation of landscaping at Friedman Memorial Airport
37-10717	3/24/1883	2.86	1,284	Municipal	
37-22311	3/24/1883	1.50	673	Irrigation	
37-22316	3/24/1883	0.18	81	Irrigation	acquired from Old Cutters, Inc. (2009); limited to the Irrigation of 31 acres
37-22321	3/24/1883	0.19	85	Irrigation	
37-22773	5/1/1888	0.194	87	Irrigation	acquired from EMB as residual water rights from subdivision road/street ROW; total diversion rate = 1.011 cfs
37-22774	9/18/1885	0.195	88	Irrigation	
37-22775	6/30/1884	0.387	174	Irrigation	
37-22776	3/24/1883	0.235	105	Irrigation	
<b>Total</b>		<b>6.780</b>	<b>3,043</b>		
<b>Groundwater</b>					
37-2698	10/29/1964	2.56	1,149	Municipal	River St., 3rd Ave., Woodside and Northridge wells; total diversions limited to 7.18 cfs
37-2699	8/11/1964	2.00	898	Municipal	
37-7305	11/4/1973	2.62	1,176	Municipal	
37-8837	9/10/2001	4.67	2,096	Municipal	River St., 3rd Ave., Woodside and Northridge wells;
37-20831	10/14/1977	0.21	94	Irrigation	Irrigation of Wood River Middle School grounds
37-22019	3/29/1961	9.37	4,206	Irrigation	0.019 cfs/3.5 afa per acre/Cemetery Maintenance District
37-22670	11/1/1907	1.78	799	Municipal	River St., 3rd Ave. and Woodside wells (accomplished transfer)
37-22671	9/1/1931	0.60	269	Municipal	River St., 3rd Ave. and Woodside wells (accomplished transfer)
<b>Total</b>		<b>23.81</b>	<b>10,715</b>		

# Design Objectives: Wood River Valley Aquifer System Groundwater-Flow Model

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Draft by the USGS/IDWR Modeling Team  
April 10, 2013

A Wood River Valley Aquifer System (WRVAS) Groundwater-Flow Model is the primary product of a cooperative study between the Idaho Department of Water Resources (IDWR) and the United States Geological Survey (USGS). The purpose of the study is to develop a numerical groundwater-flow model of the Wood River Valley in collaboration with IDWR staff for use as a tool to assist water-resource managers and planners in the management of water resources and the development of a long-term water-resources management plan for the valley. The model will advance understanding of hydrologic processes in the Wood River Valley and similar alluvial valleys undergoing intensive development. The model *will not* be suitable for evaluating well-to-well effects. Model design objectives are to:

## ***1. Represent the current understanding of the aquifer system and the interaction between groundwater and surface water***

A primary component of the project is the development of a database containing hydrologic, geologic, land use, and other data sets to include information on aquifer recharge and discharge, aquifer hydraulic properties and boundary conditions, groundwater levels, stream flow, and water chemistry. Gaining and losing reaches of the Big Wood River, Silver Creek, and tributary streams will be delineated; contribution from tributary basins will be estimated as reliably as possible, and seasonal exchange of groundwater and surface water will be quantified for inputs to the model. The model will be developed using the collected data to simulate groundwater movement in the WRVAS including the interaction of groundwater and surface water. The model will be calibrated to transient hydraulic conditions on the basis of current and historical data using automated parameter estimation methods. The model grid, representation of the physical boundaries, steady-state conditions, and calibration period for the transient model will be recommended by the Modeling Team and presented to the Modeling Technical Advisory Committee.

## ***2. Represent the current understanding of rates of aquifer recharge and discharge***

A detailed water budget will be developed to quantify the amount of water entering and leaving the WRVAS. Modelers will identify uncertainty in water-budget elements and identify future data collection requirements.

### ***3. Investigate groundwater and surface-water system dynamics on a valley-wide scale***

The effects of hypothetical stresses and boundary condition representations will be evaluated to improve the understanding of WRVAS and surface-water dynamics. System responses to hypothetical variations in aquifer recharge, groundwater withdrawals, surface-water operations and other model conditions will be investigated. A sensitivity analysis will be completed and 2-3 model scenarios will be included in the final report. The model will be designed to evaluate stresses on the surface-water system (but with limitations of scale). The Modeling Team will clearly state the limitations of the WRVAS groundwater-flow model.

### ***4. Evaluate potential WRVAS management options***

The model will be used by the IDWR to evaluate potential WRVAS management options on a valley-wide basis; impacts and effects on more local scales may only be appropriate in selected areas. Additionally, the model may be used to evaluate other recharge/discharge relationships.

### ***5. Provide a tool for aquifer planning***

The WRVAS groundwater-flow model will assist planning efforts. The Aquifer Planning and Management Program is designed to provide the Idaho Water Resource Board and the Idaho Department of Water Resources with the necessary information to develop plans for managing groundwater and surface-water resources 50 years into the future. The planning effort is intended to investigate strategies and develop plans which will lead to sustainable water supplies and optimum use of the water resources by integrating technical knowledge with an assessment of current and projected future water uses and constraints.

### ***6. Provide a basis for conjunctive administration***

The model will allow the IDWR to apply conjunctive administration in the Wood River Valley. Additional administrative uses include the determination of mitigation requirements, the evaluation of impacts due to point of diversion transfers, and evaluation of curtailment effects.

### ***7. Provide an improved understanding of the aquifer system and guide future investigations***

The WRVAS groundwater-flow model will provide transferable information that advances understanding of hydrologic processes in the Wood River Valley and similar alluvial valleys undergoing intensive development. The improved understanding of the aquifer system will allow the testing of alternative interpretations, provide information on the hydraulic connection of bedrock aquifers, and suggest areas that warrant additional investigation for model improvement.

### ***8. Be defensible in litigation***

USGS and IDWR personnel will develop the model cooperatively with the advice of other Modeling Technical Advisory Committee. Accepted model code, development procedures, and calibration procedures will be used to produce a product that is peer-reviewed and widely

accepted among scientists and is intended to withstand the scrutiny of formal administrative or legal proceedings.

### ***9. Be accessible and well-documented***

A version of the open-source, USGS groundwater-flow model MODFLOW will be used to simulate flow in the Wood River Valley aquifer system. Both the model extent and use of nonproprietary model code are advantages over previous groundwater-flow models of the area. Significant model construction decisions will be documented and made available as technical memorandums. The model will be documented in a peer-reviewed USGS report. The completed model, USGS publications, and relevant GIS datasets and metadata will be fully documented and publicly available on IDWR and USGS websites.

Although not part of the current project, the model will be designed so that it may be updated with additional data in order to remain a current and viable tool to meet the State of Idaho's water-management objectives.

## **Wastewater Issues**

### **Biosolids Handling Improvements**

#### **Current condition of biosolids tank and dome (pictures)**

No, a fiberglass dome does not rust but it does delaminate and lose structural integrity. The 37 year old steel tank inside the dome has been in an extremely harsh environment and its integrity is questionable.

#### **Basic Outline of proposed new facility**

Replace the existing holding tank and dome with new holding tanks and thickening equipment to dewater the biosolids and reduce or eliminate the use of Ohio Gulch for drying the biosolids and reduce annual operating costs.

#### **Engineer's scope of design work, cost and schedule – Options**

Option 1: Proceed to a bond election using the high end of the Preliminary Engineering Report cost estimate of \$5.1 million and use the bond proceeds for final design engineering. The cost estimate of the Preliminary Engineering Report is -15%, +30 accuracy.

Option 2: Proceed to 60% design and cost estimate (-10%, +20%) over the next 4 months at an estimated cost of \$190,000. Determine whether to call for a bond election in November 2013 with this estimate, continue with further engineering to final design for a May 2014 bond election or stop the project at this time.

Option 3: Proceed with the final design engineering at an estimated cost of \$333,884 to narrow the range of estimated costs (-5%, +10%) and proceed to a bond election based on a better estimate and scope of work. The schedule to get to a final cost estimate will mean that May, 2014 will be the earliest date for a bond election.

Option 4: Stop work on this project. Not recommended.

Options 2 & 3 will require an increase in sewer fees as this level of engineering was not included in the 2012/13 budget prepared last July. Funds were included for the engineering we have completed so far as we anticipated that with the new NPDES permit we would require technical assistance. Fee increases would vary depending on the timing of the costs between budget years and the extent of engineering desired. An estimate of sewer fees for the next 3 years is included.

#### **Citizen's Committee**

In Options 1, 2 & 3 I recommend that we form a citizen's committee of between 5 – 9 members to receive regular updates on the progress of design and assist us in educating

the public on the need and importance of this project. We have gained a lot of experience in the last two years with the Woodside Blvd project on the importance of public involvement. We have previously formed citizen groups with the original WWTP bond in 1997/98 and with the installation of water meters in 2001/02.

### **Construction cost estimate improvement**

As noted above the range of the engineer's cost estimate improves from -15%, +30% at preliminary engineering; to -10%, +20% with 60% design; to -5%, +10% with 90% design

### **NPDES Permit increased costs**

Tighter regulations with new permit

New additional testing requirements

Additional chemical costs

### **Bond Repayment**

Increase in monthly bond fee from customers needed

Refinancing of the 2000 WW bond last December changed the payment from a combination of user fees and connection fees from new construction. This change will require an increase in the monthly bond repayment fee from \$6.43 to \$7.42.

**City of Hailey Sewer Fee Schedule**

Based on Final Design complete Jan. 2014 and bond election May, 2014

Fee	Current	5/1/13 - 9/30/13	10/1/13 - 9/30/14	10/1/14 - 9/30/15	10/1/15 - 9/30/16
Current Bond Fee	\$6.43	\$7.42	\$7.42	\$7.42	\$7.42
Fixed Base Rate	\$13.59	\$13.59	\$14.34	\$14.37	\$13.17
Rate/1,000 Gals	\$3.94	\$5.82	\$4.61	\$3.78	\$3.51
Cost for 6,000 Gals/Month	\$23.64	\$34.92	\$27.66	\$22.68	\$21.06
New Biosolids Facility Bond (Based on \$4million @3% & 20 years)	\$0.00	\$0.00	\$0.00	\$7.22	\$7.22
Monthly sewer bill	\$43.66	\$55.93	\$49.42	\$51.69	\$48.87

163  
(Based on average 6,000  
gals/month winter water use)

City of Hailey Sewer Fee Schedule

Based on 60% Design complete Aug, 2013 and bond election Nov, 2013

Fee	Current	5/1/13 - 9/30/13	10/1/13 - 9/30/14	10/1/14 - 9/30/15	10/1/15 - 9/30/16
Current Bond Fee	\$6.43	\$7.42	\$7.42	\$7.42	\$7.42
Fixed Base Rate	\$13.59	\$13.59	\$14.34	\$14.37	\$13.17
Rate/1,000 Gals	\$3.94	\$5.82	\$3.79	\$3.78	\$3.51
Cost for 6,000 Gals/Month	\$23.64	\$34.92	\$22.74	\$22.68	\$21.06
New Biosolids Facility Bond (Based on \$4.3million @3% & 20 years)	\$0.00	\$0.00	\$7.77	\$7.77	\$7.77
Monthly sewer bill  (Based on average 6,000 gals/month winter water use)	\$43.66	\$55.93	\$52.27	\$52.24	\$49.42

**Bond amount is higher because final design engineering fees are included in the bond amount instead of user fees**

April 5, 2013

Mr. Tom Hellen  
City of Hailey  
115 S Main St  
Hailey, ID 83333

Subject: Design Engineering Services for Solids Handling Improvements

Dear Mr. Hellen:

HDR Engineering, Inc. (HDR) is looking forward to continuing our work with the City of Hailey. As you know, HDR is familiar with the City's wastewater treatment program including the treatment facilities, National Pollutant Discharge Elimination System (NPDES) permit, and conceptual planning for recycled water. Enclosed with this letter is a draft - Task Order No. 7 - Design Engineering Services for Solids Handling Improvements for the City of Hailey for your review.

The first task within Task Order No. 7 is focused on pilot testing dewatering equipment. The goal of pilot testing is to provide the city with an opportunity to see the equipment in operation and to identify one equipment manufacturer and one piece of dewatering equipment to carry through design. At the end of the pilot testing, we will have performance data and the city's experience in operating the equipment that will be used to make this determination. By using the pilot testing data to select one piece of equipment, we eliminate the need to design the project around different pieces of equipment. This is important since the arrangements of the various manufacturers are very different (i.e. footprint, piping, utility requirements, etc).

During pilot testing and 60 percent design, HDR Engineering will plan to participate in several meetings associated with the Citizens Advisory Council. To be more efficient, we assumed that two of these meetings would be held in conjunction with the pilot testing. This will also provide an opportunity for the citizens to see the dewatering equipment in use.

As requested, we separated the 60 percent design and final design into two separate tasks. The 60 percent design includes a first draft of the technical specifications. Also during 60 percent design, the major plan and specifications sheets are mostly complete. Throughout the 60 percent design process, the city has an opportunity to influence the design decisions related to layout, preferences, and equipment. The schedule that we assumed will provide the deliverables prior to a possible November 2013 bond election should the City elect to proceed at that time.

Mr. Tom Hellen  
April 5, 2013

During final design, HDR will complete drawings and specifications for submittal to DEQ for review and approval, to the building department for permits, and for contractor bidding. This task includes supporting the city with equipment procurement. The equipment contract could be established with two notices to proceed – one for special services and one for fabrication. Typically the special services are approximately 10 percent of the total equipment cost and include shop drawings that are used in the design development. The benefit of special services procurement is that it provides enough information to inform the design but does not put the City at risk for purchasing equipment prior to the bond election. The schedule that we assumed will provide the deliverables prior to a possible May 2014 bond election, should the City elect to proceed at that time.

We have also included bid period services to provide an indication of what the costs would be to go from preliminary engineering through project bidding. This scope and fee estimate do not include contractor prequalification. By completing a contractor prequalification, the city can identify contactors who have successfully completed similar wastewater treatment projects. The schedule allows for contractor prequalification and the city may wish to consider this approach during the completion of final design (Idaho Statute 67-2805 allows for general contractor prequalification). Services during construction would be scoped separately after completion of the final design.

The opinion of probable project cost in the Preliminary Engineering Report (PER) was \$3,894,000 which included 18 percent for engineering (approximately 15 percent for engineering design services and approximately 3 percent for services during construction), legal, administrative, and fiscal, or approximately \$594,000. The design fee for previous Task Order No. 6 and this draft Task Order No. 7 combined is approximately 10.5 percent of the probable project cost as presented in the PER (\$3,894,000 with an accuracy range of \$3,300,000 to \$5,100,000). In addition to the engineering design, Task Order No. 7 includes pilot testing and the citizen's advisory council. By comparison, the 2012 Wastewater Facility Plan included 25 percent for engineering, legal, and administration for a total of approximately \$625,000 of the estimated project cost of \$3,159,000 (escalated from 2008 dollars to February 2013 dollars presented in the facility plan).

Mr. Tom Hellen  
April 5, 2013

We look forward to working with you. Please do not hesitate to contact me at 208-387-7075 or Haley Falconer, 208-387-7022.

Respectfully submitted,  
HDR ENGINEERING, INC.



Tom Dupuis, P.E.  
Idaho Water & Natural Resources Manager



Haley Falconer, E.I.T.  
Project Manager

Enclosures

Cc. Heather Dawson, City of Hailey  
Mike Zeltner, HDR Engineering, Inc. - Boise  
Dan Harmon, HDR Engineering, Inc. - Missoula

## EXHIBIT A

TASK ORDER NO. 7**DESIGN ENGINEERING SERVICES FOR SOLIDS HANDLING IMPROVEMENTS  
FOR THE CITY OF HAILEY**

This Task Order pertains to an Agreement by and between City of Hailey, Idaho ("City"), and HDR Engineering, Inc. ("HDR"), dated August 10, 2009, ("the Agreement"). HDR shall perform services on the project described below and in the Agreement. This Task Order shall not be binding until it has been properly signed by both parties. Upon execution, this Task Order shall supplement the Agreement as it pertains to the technical services described below.

**BACKGROUND**

The City of Hailey operates a sequencing batch reactor (SBR) with an aerobic digester for sludge storage and stabilization. The aerobic digester is located in the former packaged wastewater treatment plant built in 1974. The packaged plant was not designed to serve as an aerobic digester, although the City has been able to utilize the infrastructure for an additional 13 years after the Woodside treatment plant was constructed in 2000. Thickened liquid sludge is hauled to drying beds at the Ohio Gulch Landfill for drying to meet Class B biosolids requirements and final disposal.

The 2012 Wastewater Facility Plan recommended replacement of the existing packaged plant with a new sludge storage tank (approximately 6 days of retention time at projected 20 year design flows), improved sludge thickening, and continued hauling of liquid sludge to the Ohio Gulch drying beds. Based on City drivers identified after completion of the Facility Plan, the City decided to pursue a process capable of meeting Class B requirements at the wastewater treatment plant.

The Solids Handling Improvements Preliminary Engineering Report (PER) identified a process that will allow for meeting Class B biosolids requirements at the treatment plant through aerobic digestion and utilizing sludge thickening to reduce the digester volume and sludge dewatering to produce a "cake" product. The PER provided approximately 30 percent design detail. The purpose of this task order is to advance the design details to 60 percent in order to refine the opinion of probable construction cost, assist the City with public education during the citizens' advisory committee meetings, provide final design documents, and provide bid period services for the Solids Handling Improvements project.

**PROPOSED SCOPE OF SERVICES**

The proposed scope of HDR services includes the tasks listed below. HDR will commence with this scope of services upon notice to proceed.

**TASK 100 - PROJECT MANAGEMENT****Objective**

Provide scope, schedule, and cost control services.

**HDR Subtasks**

- Communicate scope, schedule, and budget status with the City and the project team through project management plan, telephone calls, and email communications.

- Monitor project progress including work completed, work remaining, budget expended, schedule, estimated cost of work remaining, and estimated cost at completion
- Conduct up to twenty-five (25) coordination conference calls every two weeks with the City of Hailey.
- Document decisions made during conference calls in a decision log.
- Prepare progress reports and invoices that summarize the work progress to date, budget expenditures to date, and identify information requirements or decisions that need to be made by the City.
- Provide review of approach and resources being applied to the services in this task order by HDR's wastewater treatment technical director or designee.
- Prepare agenda and notes for coordination conference calls.

#### City Involvement

- Interface with HDR on project issues.

#### Assumptions

- If the scope changes during the life of the project, modification to this task order will be required per the terms and conditions of the Agreement.
- Conference calls will occur every two weeks through the duration of the task order, will include HDR's project manager, design manager, and will last no more than one hour.
- Up to fifteen (15) monthly progress reports and invoices will be prepared during the duration of the task order.
- Progress report and invoice format will follow standard HDR format.
- Direct expenses for travel, printing, technology, and telephone conferences will be billed to City.

#### Deliverables

- Progress reports and invoices in .pdf format transmitted via e-mail.
- Conference call agenda and notes in .pdf format transmitted via e-mail.
- Decision log, as requested (electronic file in .pdf format transmitted via e-mail).

### TASK 200 - PILOT TESTING

#### Objective

Assist the City with evaluating the ability of specific dewatering equipment to meet the design criteria established in the Solids Handling Improvements Preliminary Engineering Report (Task Order 6).

#### Approach

- Contact up to four (4) dewatering equipment manufacturers to determine pilot availability, potential cost, and utility requirements.
- Develop a prequalification survey to review performance data for full-scale installations and check up to three (3) references for up to four (4) equipment manufacturers.
- Develop a pilot testing protocol including economic and non-economic parameters that will be used to evaluate equipment performance, potentially including, but not limited to, dewatered solids concentration, polymer usage per dry ton, solids capture, estimated

power consumption at full scale operation, operator attention, maintenance complexity, manufacturer support, and life cycle cost.

- Develop a scoring system for rating answers given by respondents and pilot testing performance.
- Review prequalification survey and pilot testing protocol with City.
- Send prequalification survey to equipment manufacturers for completion.
- Review prequalification survey results and provide summary to the City.
- Connect qualified equipment manufacturers with the City to schedule pilot testing.
- Support City staff with onsite pilot testing setup by providing one (1) HDR team member onsite during the first two days of pilot testing for each of up to four (4) pieces of equipment.
- Document pilot testing activities, performance data, and provide recommendations for specialty or stress pilot testing pilot while HDR is onsite.
- Summarize the pilot testing in a technical memorandum that will serve as the basis for sole source procurement of the selected equipment that will be incorporated into the design.

**City Involvement**

- Coordinate with manufacturers to schedule pilot testing.
- Contract directly with equipment manufacturers and pay for pilot testing, if required.
- Provide required sludge, power, process water, dumpster or container for cake, and other requirements as determined by the equipment manufacturers.
- Provide all testing and sampling equipment (i.e. sample bottles, laboratory equipment, etc.) for the pilot testing analysis.
- Perform laboratory analyses, such as measurement of total suspended solids concentration, as requested by HDR and as required for pilot evaluations.
- Document pilot testing activities and performance data when HDR is not on site
- Be available on site during the pilot testing periods.
- Review the technical memorandum and provide one consolidated set of unconflicting comments within five (5) working days.

**Assumptions**

- Equipment that does not meet the minimum requirements established in the prequalification will not be pilot tested.
- The dewatering equipment that will be included in the prequalification survey and potentially pilot tested includes the FKC Co., Ltd. biosolids dewatering screw press, the Huber Technology Rotamat screw press, the PW Tech volute dewatering press, and a fan press from either Fournier Industries or Prime Solution, Inc.
- Pilot testing protocol will be followed by all equipment manufacturers.
- Pilot testing of each piece of equipment will occur over a period of no more than one business week. On the first day of testing, the vendor will set up the pilot. The vendor will optimize the operation on the second day and the City will operate the pilot test on the third day of testing. The remaining period in the week is reserved for specialty or stress testing as determined in the testing protocol and pilot disassembly by equipment manufacturer.

- One pilot test will occur per week.
- Costs for the pilot (shipping, chemical, or other pilot related expenses) are not included in this scope and fee. These costs will be the responsibility of the City or the vendor, depending on how the agreement is finalized.
- At the end of pilot testing, a single piece of dewatering equipment will be selected for incorporation into the design.
- Equipment procurement documents are included in Task 500 - Final Design Submittal.
- Direct expenses for travel, printing, technology, and telephone conferences will be billed to City.

#### **Deliverables**

- Draft prequalification survey in .doc or .pdf format transmitted via e-mail.
- Draft pilot testing protocol in .doc or .pdf format transmitted via e-mail.
- Summary of prequalification survey results in .pdf format transmitted via e-mail.
- Draft pilot summary technical memorandum in .doc or .pdf format transmitted via e-mail.
- Final pilot summary technical memorandum in .pdf format transmitted via e-mail.

#### **TASK 300 - CITIZENS' ADVISORY COMMITTEE**

##### **Objective**

Participate in Citizens' Advisory Committee meetings.

##### **Approach**

- Participate in up to four (4) Citizens' Advisory Committee meetings.
- Present project background, drivers, and design status to Committee at up to two (2) meetings.
- Develop a 2-page frequently asked questions (FAQs) document for use during public meetings related to the Solids Handling Improvement project.
- Create one (1) 22"x34" color poster mounted on foam core board that conveys key points about the Solids Handling Improvement project.
- Develop one (1) 8.5"x11" flier that conveys the key message about the Solids Handling Improvement project.

##### **City Involvement**

- Prepare meeting minutes and provide HDR with copies.
- Provide copies of the fliers or FAQs if they will be used for handouts at meetings.
- Provide information to HDR on what should be included on the flier and poster.

##### **Assumptions**

- Meetings will be held at City Hall and will last up to two (2) hours each.
- Up to one (1) HDR team member will attend each Committee meeting.
- Two (2) meetings will be conducted during the activities in Task 200 - Pilot Testing so this task only includes travel for two (2) meetings.

- Direct expenses for travel, printing, technology, and telephone conferences will be billed to City.

### Deliverables

- Presentations given at Committee meetings in .pdf format transmitted via e-mail.
- Frequently asked questions document in .pdf format transmitted via e-mail for City printing.
- Key point poster (one hard copy delivered at Committee meeting).
- Key point flier in .pdf format transmitted via e-mail for City printing.

### TASK 400 - 60 PERCENT SUBMITTAL

#### Objective

Provide a comprehensive set of design documents in sufficient detail to allow thorough review by City. This submittal provides the City the ability to influence the features of the design.

#### Approach

- Review of the original geotechnical site investigation to confirm that recommendations apply for this project.
- Develop critical drawings that define the size, configuration, process control and key features of the project components. The number of sheets assumed for each area is shown below in parentheses. The level of definition for the detail sheets are shown after each sheet description.
  - General and Civil Drawings (7 sheets):
    - Process flow diagram (draft final)
    - Overall site plan (80 percent complete)
    - Site demolition plan (80 percent complete)
    - Paving and grading plan (80 percent complete)
    - Yard piping plan (80 percent complete)
    - Civil sections and details (in progress)
  - Architectural Drawings (3 sheets):
    - Code compliance sheet (in progress)
    - Pre-engineered metal building elevations (draft final)
  - Structural Drawings (15 sheets):
    - Structural (building and digester) plan sheets (80 percent complete)
    - Structural (building and digester) sections and details (in progress)
  - Process Mechanical Drawings (7 sheets):
    - Building piping plan (80 percent complete)
    - Building piping sections and details (in progress)
    - Digester piping plan (80 percent complete)
    - Digester piping sections and details (in progress)
    - Aeration plan sections and details (in progress)

- Mechanical Drawings (4 sheets):
  - HVAC Plan (in progress)
  - Plumbing plan (in progress)
- Electrical Drawings (15 sheets):
  - Electrical site plan (80 percent complete)
  - Single-line diagrams (draft final)
  - Electrical plans, sections, and details (in progress)
  - Lighting and power plans, sections, and details (in progress)
- Instrumentation and Control (10 sheets):
  - P&IDs and control strategies (draft final)
  - Network block diagrams (draft final)
  - Draft final I/O list (draft final)
  - Control panel elevations and schematics (in progress)
  - Instrumentation details (in progress)
- Develop technical and front end specifications to draft level.
- Update opinion of probable construction cost.
- Develop comprehensive equipment list including equipment data and electrical requirements.
- Update construction sequencing plan and schedule previously developed for the Preliminary Engineering Report.
- Provide technical quality control review by HDR senior design staff.
- 60 percent design development will include a draft submittal to the City for review and comment.
- Conduct up to one (1) review meeting with City staff and up to two (2) Consultant staff members to discuss City comments on draft 60 percent submittal.
- Document decisions made during the review in a decision log.

### City Involvement

- Perform a timely review of draft submittal and will provide a single set of reconciled review comments. HDR's schedule includes an allowance of up to one (1) week for City review of the draft submittal. Any duration longer than this will result in HDR schedule adjusting accordingly.
- City will download Navisworks Freedom (free software) to review the 3D BIM model.
- Participate in the review meeting.

### Assumptions

- No geotechnical investigation is included in this Scope of Services. HDR will contract with the original geotechnical engineering firm, Strata Geotechnical and Materials Testing, to confirm the recommendations in the Geotechnical Engineering Evaluation for the Hailey Wastewater Treatment Plant Expansion report (Dec. 31, 1997) provided by the City are applicable to this project.

- No surveying or potholing is included in this Scope of Services. If determined necessary during the design, either the City will contract directly parties or amend HDR's agreement to provide these services.
- The design will be based around the dewatering equipment selected in Task 200 - Pilot Testing.
- The design will be completed using 3D building information modeling (BIM) software.
- Drawings will be prepared per industry standards and specifications will be prepared using the sixteen-division format of the Construction Specifications Institute.
- Front-end specifications will be based upon Engineers Joint Contract Documents Committee (EJCDC) construction contract documents, 2007 version, and Standard General Conditions modified by HDR's legal department.
- The design will incorporate HDR and City engineering and equipment standards to maintain consistency and compatibility with the City's facilities.
- Owner requested changes after the 60 percent design phase will be negotiated via additional services.
- Review meeting will be conducted at the Hailey City Hall or the Wastewater Treatment Plant and will last up to two (2) hours plus travel time.
- HDR's quality assurance manual and design delivery manual will provide the basis of the quality control program.
- HDR will prepare and distribute review meeting notes.
- Computational fluid dynamic modeling will not be required, but can be added to scope of services under separate task order if desired by the City.
- Odor control and noise mitigation plans will not be required.
- Updated cost opinion will be for cost baseline monitoring. HDR will attempt to provide a range of accuracy based upon AACE International Recommended Practice No. 17R-97, Class 2, 30 to 70 percent project definition +20% to -10% Range of Accuracy).
- Direct expenses for travel, printing, technology, and telephone conferences will be billed to City.

#### Deliverables

- 60 Percent Draft 3D BIM model (electronic file in Navisworks format transmitted via e-mail).
- 60 Percent Draft Design Drawings (electronic file in .pdf format transmitted via e-mail).
- 60 Percent Draft Specifications (electronic file in .pdf format transmitted via e-mail).
- 60 Percent Final 3D BIM model (electronic file in Navisworks format transmitted via e-mail).
- 60 Percent Final Design Drawings (electronic file in .pdf format transmitted via e-mail).
- 60 Percent Final Specifications (electronic file in .pdf format transmitted via e-mail).
- Updated cost opinion, equipment list, and construction sequencing plan (electronic files .pdf format).
- Review meeting agenda (up to five (5) hard copies) and notes (electronic copy in .pdf format transmitted via e-mail).
- Decision log, as requested (electronic file in .pdf format transmitted via e-mail).

**TASK 500 - FINAL DESIGN SUBMITTAL****Objective**

Present drawings and specifications signed and sealed by appropriate registered engineers.

**Approach**

- Prepare dewatering equipment procurement contract including specifications and preliminary drawings.
- Review equipment procurement submittals including up to one resubmittal.
- Prepare final drawings that define the size, configuration, process control and key features of the project components and initiate other drawings which show details and refinements.
- Prepare final front end and technical specifications.
- Prepare final opinion of probable construction cost.
- Provide technical quality control review of final submittal.
- Equipment procurement contract and final design development will each include a draft submittal to the City for review and comment.
- Conduct up to one (1) review meeting with Owner staff and up to two (2) Consultant staff members to discuss City comments on final submittal.
- Submit final submittal to Idaho Department of Environmental Quality (DEQ) for review and approval.
- Provide technical criteria, written descriptions, and design data for use by Owner in filing an application for a building permit with the City Building Department.

**City Involvement**

- Review equipment procurement contract.
- Perform a timely review of submittal and will provide a single set of reconciled review comments. HDR's schedule includes an allowance of up to one (1) week for City review of the submittal. Any duration longer than this will result in HDR schedule adjusting accordingly.
- City will download Navisworks Freedom (free software) to review the 3D BIM model.
- Participate in the review meeting.

**Assumptions**

- One equipment procurement contract will be developed for the equipment manufacturer selected in Task 200 - Pilot Testing.
- Submittal review following one re-submittal will be billed to City as a separate, out-of-scope activity from which City can, at its discretion, deduct the amount from equipment supplier's payment application(s).
- Drawings will be prepared per industry standards and specifications will be prepared using the sixteen-division format of the Construction Specifications Institute.
- The design will incorporate Consultant and Owner engineering and equipment standards to maintain consistency and compatibility with the Owner's facilities.
- Review meeting will be conducted at the Hailey City Hall or the Wastewater Treatment Plant and will last up to two (2) hours plus travel time.

- Consultant's quality assurance manual and design delivery manual will provide the basis of the quality control program.
- Up to 61 drawings will be prepared for the Solids Handling Improvements. The final drawing list is expected to be as listed below.

<p><b>General</b>                  Cover Sheet, Location Map, and Sheet Index                  General Legends, Symbols, and Abbreviations                  Process Flow Diagram and Design Criteria</p> <p><b>Civil</b>                  Overall Site Plan and General Notes                  Site Demolition Plan                  Paving and Grading Plan                  Yard Piping Plan</p> <p><b>Architectural</b>                  Code Compliance Sheet                  Pre-Engineered Metal Building Elevations                  General Plan</p> <p><b>Structural</b>                  Notes and Standard Details                  Digester Building Foundation                  Digester Tank Roof Plan                  Digester Tank Sections, 1 of 2                  Digester Tank Sections, 2 of 2                  Digester Tank Details                  Solids Processing Building Lower Level Plan                  Solids Processing Building Mid-Level Plan                  Solids Processing Building Sections, 1 of 3                  Solids Processing Building Sections, 2 of 3                  Solids Processing Building Sections, 3 of 3                  Solids Processing Building Details, 1 of 4                  Solids Processing Building Details, 2 of 4                  Solids Processing Building Details, 3 of 4                  Solids Processing Building Details, 4 of 4</p> <p><b>Process</b>                  Building Piping Plan                  Building Sections and Details                  Digester Piping Plan                  Digester Sections and Details                  Aeration Plan Sections and Details                  Standard Details, 1 of 2                  Standard Details, 2 of 2</p> <p><b>Mechanical</b>                  Mechanical Legend and Symbols                  HVAC Plan                  Plumbing Plan</p>
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Mechanical Sections and Details  
**Electrical**  
 Electrical Legend and Symbols  
 Electrical Site Plan  
 Plant One-Line Diagram  
 Digester Power and Lighting Plan  
 Solids Building Power Plan  
 Solids Building Lighting Plan  
 Solids Building One-Line Diagram  
 Solids Building MCC Elevation  
 Conduit and Wiring Block Diagram  
 Control Diagrams 1  
 Control Diagrams 2  
 Conduit and Cable Schedules  
 Light Fixture and Panelboard Schedules  
 Electrical Details 1  
 Electrical Details 2  
**Process and Instrumentation Diagrams**  
 Instrumentation Legend and Abbreviations  
 Control System Block Diagram  
 Aerobic Digester P&ID  
 Thickener P&ID  
 Dewatering Equipment P&ID  
 Thickened Sludge Pumping P&ID  
 Control Panel Elevation  
 Control Panel Power Distribution  
 Control Panel Typical Wiring Details  
 Instrumentation Details

- No new drawings or specification sections are expected following this submittal.
- Final opinion of probable construction cost will be for continued cost baseline monitoring. Consultant will attempt to provide a range of accuracy based upon AACE International Recommended Practice No. 17R-97, Class 1, 70 to 100 percent project definition, +10% to -5% Range of Accuracy).
- Computational fluid dynamic modeling will not be required, but can be added to scope of services under separate task order if desired by the City.
- Odor control and noise mitigation plans will not be required.
- No document modifications will result from Idaho DEQ review and approval of the final submittal.
- Direct expenses for travel, printing, technology, and telephone conferences will be billed to City.

#### Deliverables

- Draft equipment procurement contract transmitted to City via e-mail in.pdf format.
- Final equipment procurement contract transmitted to City via e-mail in.pdf format.

- Review set of design documents including 3D BIM model, construction plans, and specifications transmitted to City via e-mail in Navisworks and .pdf formats.
- Final design documents including 3D BIM model, construction plans, and specifications transmitted to City via e-mail in Navisworks and .pdf formats.
- Final design documents including construction plans and specifications transmitted to Idaho DEQ via e-mail.pdf formats.
- Final opinion of probable construction cost (electronic copy in .pdf format).
- Review meeting agenda (up to five (5) hard copies) and notes (electronic copy in .pdf format transmitted via e-mail).

## **TASK 600 - BID PERIOD SERVICES**

### **Objective**

Assist City with bidding project.

### **Approach**

- Prepare a pre-bid conference meeting agenda and conduct a pre-bid conference at the project site.
- Document pre-bid conference attendees.
- Document questions raised and answers provided during the pre-bid conference.
- Issue minutes of the pre-bid conference and the list of attendees as part of an addendum.
- Issue up to three (3) addenda.
- Consult with Owner's legal representative before making any recommendations of award that may involve waiver of formalities or irregularities in the bid.
- Prepare engineer's recommendation of award based on bidder responsiveness, bid amount and authority to perform Work based on Idaho Public Works license status.

### **City Involvement**

- Advertise project using City's established procedure.
- Contact appropriate contractors, subcontractors and equipment suppliers to advise them of the date that project is being advertised.
- Answer legal questions during Pre-Bid meeting and advertisement period.
- Distribute bid packages and log an official Plan Holders List.
- During the advertisement phase, coordinate all correspondence regarding the project to ensure response consistency.
- Send a complete copy of each addendum to all official plan holders of record.
- Open bids at the place and time advertised.
- Verify Contractor's financial resources, experience, safety record, technical skills, ability to comply with the schedule, and past performance record.
- Verify bid bond amount and bonding company ratings and certifications.
- Contact contractor surety and bank reference.

**Assumptions**

- Up to two (2) Consultant staff members will attend the pre-bid conference.
- HDR will avoid providing interpretation or clarifications of documents during the Pre-Bid Conference. Instead these will be issued in an addendum if determined necessary to respond to prospective bidder questions.
- General contractor/bidder prequalification will not be conducted.
- Conformed documents will not be prepared.
- Direct expenses for travel, printing, photocopying, and telephone conferences will be billed to City.
- Engineering services during construction will be provided under a separate task order.

**Deliverables**

- Pre-bid conference agenda (up to ten (10) hard copies) and notes (electronic copy in .pdf format transmitted via e-mail).
- Addenda (electronic copy in .pdf format transmitted via e-mail).
- Engineer's recommendation of award (electronic copy in .pdf format transmitted via e-mail).

DRAFT

**PROJECT SCHEDULE**

**DESIGN ENGINEERING SERVICES FOR SOLIDS HANDLING IMPROVEMENTS  
FOR THE CITY OF HAILEY**

The project schedule for performing the task order is as follows:

<b>Task</b>	<b>Schedule</b> (Assuming NTP April 30, 2013) <sup>1</sup>
Task 100 - Project Management	Throughout the duration of the project
Task 200 - Pilot Testing	Start: NTP Duration: 10 weeks <sup>2</sup>
Task 300 - Citizens' advisory committee	Start: NTP Duration: 22 weeks
Task 400 - 60 Percent Submittal	Start: Upon completion of Task 200 - Pilot Testing Duration: 12 weeks
Task 500 - Final Design Submittal	Start: Upon completion of Task 400 - 60 Percent Submittal Duration: 18 weeks <sup>3</sup>
Task 600 - Bid Period Services	Start: Bond Election <sup>4</sup> Duration: 9 weeks

1) This schedule is based upon an assumed notice to proceed. If the notice to proceed is delayed, the project schedule will shift the corresponding number of calendar days.

2) Schedule for pilot testing is based upon the assumption that the vendors are able to schedule testing for back-to-back weeks in May or June. A delay in the pilot testing will delay future tasks.

3) Includes agency review period.

4) Assumed bond election date of May 19, 2014, but not before completion of Task 500 - Final Design Submittal.

COMPENSATION

DESIGN ENGINEERING SERVICES FOR SOLIDS HANDLING IMPROVEMENTS  
FOR THE CITY OF HAILEY

The estimated cost to complete this Scope of Services is presented in the table below.

Task	Budget
Task 100 - Project Management	\$32,661
Task 200 - Pilot Testing	\$30,086
Task 300 - Citizens' advisory committee	\$13,564
Task 400 - 60 Percent Submittal	\$132,367
Task 500 - Final Design Submittal	\$108,170
Task 600 - Bid Period Services	\$17,036
<b>TOTAL</b>	<b>\$333,884</b>

HDR will invoice the City of Hailey for professional services described in this Proposal on a time and materials basis. For the activities described in the Scope of Services, HDR estimates a professional services fee of not to exceed the amounts described in the table above without written authorization from the City.

DRAFT

This Task Order is executed this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

City of Hailey, Idaho

HDR ENGINEERING, INC.

\_\_\_\_\_  
"OWNER"

\_\_\_\_\_  
"ENGINEER"

BY: \_\_\_\_\_

BY: \_\_\_\_\_

NAME: \_\_\_\_\_

NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

TITLE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DRAFT

City	Sewer Fee, 6,000 gals	Fee Basis	% Difference from Hailey
Hailey	\$37.23	Winter Water Use	N/A
<b>Hailey - Proposed 2013/14</b>	<b>\$42.00</b>	<b>Winter Water Use</b>	<b>113%</b>
Bellevue	\$67.20	Flat Fee	180%
Ketchum	\$21.51	Flat Fee	58%
Burley	\$45.50	Flat Fee	122%
Emmett	\$53.04	Winter Water Use	142%
Jerome	\$33.72	Winter Water Use	91%
Kimberly	\$37.36	Flat Fee	100%
Victor	\$32.80	Flat Fee	88%
Chubbuck	\$54.95	Flat Fee	148%
Meridian	\$41.06	Winter Water Use	110%
Pocatello	\$44.58	Winter Water Use	120%
Boise	\$23.93	Flat Fee	64%
American Falls	\$39.00	Flat Fee	105%
Ammon	\$43.70	Flat Fee	117%
Blackfoot	\$25.90	Flat Fee	70%
Driggs	\$31.50	Flat Fee	85%
Heyburn	\$42.85	Flat Fee	115%
Rexburg	\$32.92	Winter Water Use	88%
Salmon	\$35.00	Flat Fee	94%
Soda Springs	\$42.50	Flat Fee	114%
St Anthony	\$35.87	Winter Water Use	96%
Average	\$39.24		105%
Sewer Fees are without Bond Payments as each city's bonds were not included			

City	Water Usage Fee; 10,000 gals	Water Usage Fee; 50,000 gals	Fee Basis	% Difference from Hailey; 10,000 Gals	% Difference from Hailey; 50,000 Gals
Hailey	\$10.82	\$28.32	Metered	N/A	N/A
<b>Hailey - Proposed Summer Increase</b>	<b>\$13.32</b>	<b>\$40.82</b>	<b>Metered</b>	<b>123%</b>	<b>144%</b>
Bellevue	\$25.20	\$25.20	Flat Fee	233%	89%
Ketchum	\$18.69	\$79.49	Metered	173%	281%
Burley	\$29.20	\$89.20	Metered	270%	315%
Emmett	\$41.23	\$134.83	Metered	381%	476%
Jerome	\$33.62	\$108.92	Metered	311%	385%
Kimberly	\$20.00	\$100.00	Metered	185%	353%
Glenns Ferry	\$40.11	\$102.11	Metered	371%	361%
Victor	\$41.50	\$149.00	Metered	384%	526%
Chubbuck	\$35.50	\$81.50	Metered	328%	288%
Meridian	\$23.98	\$98.38	Metered	222%	347%
Pocatello	\$31.98	\$141.93	Metered	296%	501%
Boise - United Water	\$32.86	\$128.86	Metered	304%	455%
Idaho Falls	\$21.00	\$41.90	Metered	194%	148%
American Falls	\$28.75	\$28.75	Flat Fee	266%	102%
Ammon	\$37.25	\$37.25	Flat Fee	344%	132%
Blackfoot	\$19.60	\$70.70	Metered	181%	250%
Driggs	\$27.00	\$67.00	Metered	250%	237%
Heyburn	\$33.77	\$63.77	Metered	312%	225%
Rexburg	\$18.83	\$50.95	Metered	174%	180%
Salmon	\$37.80	\$69.00	Metered	349%	244%
Soda Springs	\$31.20	\$31.20	Flat Fee	288%	110%
St Anthony	\$30.19	\$50.59	Metered	279%	179%
Average	\$31.39	\$83.36		290%	294%

City	Sewer Fee, 6,000 gals	Water Usage Fee; 50,000 gals	Total Cost	% Difference from Hailey
Hailey	\$37.23	\$28.32	\$65.55	N/A
<b>Hailey - Proposed</b>	<b>\$42.00</b>	<b>\$40.82</b>	<b>\$82.82</b>	126%
Bellevue	\$67.20	\$25.20	\$92.40	141%
Ketchum	\$21.51	\$79.49	\$101.00	154%
Burley	\$45.50	\$89.20	\$134.70	205%
Emmett	\$53.04	\$134.83	\$187.87	287%
Jerome	\$33.72	\$108.92	\$142.64	218%
Kimberly	\$37.36	\$100.00	\$137.36	210%
Victor	\$32.80	\$149.00	\$181.80	277%
Chubbuck	\$54.95	\$81.50	\$136.45	208%
Meridian	\$41.06	\$98.38	\$139.44	213%
Pocatello	\$44.58	\$141.93	\$186.51	285%
Boise/United Water	\$23.93	\$128.86	\$152.79	233%
American Falls	\$39.00	\$28.75	\$67.75	103%
Ammon	\$43.70	\$37.25	\$80.95	123%
Blackfoot	\$25.90	\$70.70	\$96.60	147%
Driggs	\$31.50	\$67.00	\$98.50	150%
Heyburn	\$42.85	\$63.77	\$106.62	163%
Rexburg	\$32.92	\$50.95	\$83.87	128%
Salmon	\$35.00	\$69.00	\$104.00	159%
Soda Springs	\$42.50	\$31.20	\$73.70	112%
St Anthony	\$35.87	\$50.59	\$86.46	132%
<b>AVERAGE</b>	<b>\$39.24</b>	<b>\$80.33</b>	<b>\$119.57</b>	<b>182%</b>

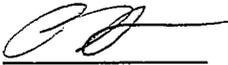


	Current Rate	Proposed Rate	Cost per rate range	Cost per proposed rate range
1-30,000	\$0.25	\$0.50	\$7.50	\$15.00
31,000-40,000	\$0.50	\$0.75	\$5.00	\$7.50
41,000-50,000	\$0.75	\$1.00	\$7.50	\$10.00
51,000-60,000	\$1.25	\$1.50	\$12.50	\$15.00
61,000-70,000	\$1.75	\$2.00	\$17.50	\$20.00
71,000-80,000	\$2.00	\$2.25	\$20.00	\$22.50
81,000-90,000	\$2.25	\$2.50	\$22.50	\$25.00
91,000-100,000	\$2.50	\$2.75	\$25.00	\$27.50
101,000-150,000	\$2.75	\$3.25	\$137.50	\$162.50
151,000 & above	\$3.00	\$3.50		

Base rate \$8.32

GALLONS	WTR FEES								
1000	\$8.82	51000	\$42.32	101000	\$154.07	151000	\$316.82	201000	\$491.82
2000	\$9.32	52000	\$43.82	102000	\$157.32	152000	\$320.32	202000	\$495.32
3000	\$9.82	53000	\$45.32	103000	\$160.57	153000	\$323.82	203000	\$498.82
4000	\$10.32	54000	\$46.82	104000	\$163.82	154000	\$327.32	204000	\$502.32
5000	\$10.82	55000	\$48.32	105000	\$167.07	155000	\$330.82	205000	\$505.82
6000	\$11.32	56000	\$49.82	106000	\$170.32	156000	\$334.32	206000	\$509.32
7000	\$11.82	57000	\$51.32	107000	\$173.57	157000	\$337.82	207000	\$512.82
8000	\$12.32	58000	\$52.82	108000	\$176.82	158000	\$341.32	208000	\$516.32
9000	\$12.82	59000	\$54.32	109000	\$180.07	159000	\$344.82	209000	\$519.82
10000	\$13.32	60000	\$55.82	110000	\$183.32	160000	\$348.32	210000	\$523.32
11000	\$13.82	61000	\$57.32	111000	\$186.57	161000	\$351.82	211000	\$526.82
12000	\$14.32	62000	\$58.82	112000	\$189.82	162000	\$355.32	212000	\$530.32
13000	\$14.82	63000	\$61.32	113000	\$193.07	163000	\$358.82	213000	\$533.82
14000	\$15.32	64000	\$63.82	114000	\$196.32	164000	\$362.32	214000	\$537.32
15000	\$15.82	65000	\$65.82	115000	\$199.57	165000	\$365.82	215000	\$540.82
16000	\$16.32	66000	\$67.82	116000	\$202.82	166000	\$369.32	216000	\$544.32
17000	\$16.82	67000	\$69.82	117000	\$206.07	167000	\$372.82	217000	\$547.82
18000	\$17.32	68000	\$71.82	118000	\$209.32	168000	\$376.32	218000	\$551.32
19000	\$17.82	69000	\$73.82	119000	\$212.57	169000	\$379.82	219000	\$554.82
20000	\$18.32	70000	\$75.82	120000	\$215.82	170000	\$383.32	220000	\$558.32
21000	\$18.82	71000	\$78.07	121000	\$219.07	171000	\$386.82	221000	\$561.82
22000	\$19.32	72000	\$80.32	122000	\$222.32	172000	\$390.32	222000	\$565.32
23000	\$19.82	73000	\$82.57	123000	\$225.57	173000	\$393.82	223000	\$568.82
24000	\$20.32	74000	\$84.82	124000	\$228.82	174000	\$397.32	224000	\$572.32
25000	\$20.82	75000	\$87.07	125000	\$232.07	175000	\$400.82	225000	\$575.82
26000	\$21.32	76000	\$89.32	126000	\$235.32	176000	\$404.32	226000	\$579.32
27000	\$21.82	77000	\$91.57	127000	\$238.57	177000	\$407.82	227000	\$582.82
28000	\$22.32	78000	\$93.82	128000	\$241.82	178000	\$411.32	228000	\$586.32
29000	\$22.82	79000	\$96.07	129000	\$245.07	179000	\$414.82	229000	\$589.82
30000	\$23.32	80000	\$98.32	130000	\$248.32	180000	\$418.32	230000	\$593.32
31000	\$24.07	81000	\$100.82	131000	\$251.57	181000	\$421.82	231000	\$596.82
32000	\$24.82	82000	\$103.32	132000	\$254.82	182000	\$425.32	232000	\$600.32
33000	\$25.57	83000	\$105.82	133000	\$258.07	183000	\$428.82	233000	\$603.82
34000	\$26.32	84000	\$108.32	134000	\$261.32	184000	\$432.32	234000	\$607.32
35000	\$27.07	85000	\$110.82	135000	\$264.57	185000	\$435.82	235000	\$610.82
36000	\$27.82	86000	\$113.32	136000	\$267.82	186000	\$439.32	236000	\$614.32
37000	\$28.57	87000	\$115.82	137000	\$271.07	187000	\$442.82	237000	\$617.82
38000	\$29.32	88000	\$118.32	138000	\$274.32	188000	\$446.32	238000	\$621.32
39000	\$30.07	89000	\$120.82	139000	\$277.57	189000	\$449.82	239000	\$624.82
40000	\$30.82	90000	\$123.32	140000	\$280.82	190000	\$453.32	240000	\$628.32
41000	\$31.82	91000	\$126.07	141000	\$284.07	191000	\$456.82	241000	\$631.82
42000	\$32.82	92000	\$128.82	142000	\$287.32	192000	\$460.32	242000	\$635.32
43000	\$33.82	93000	\$131.57	143000	\$290.57	193000	\$463.82	243000	\$638.82
44000	\$34.82	94000	\$134.32	144000	\$293.82	194000	\$467.32	244000	\$642.32
45000	\$35.82	95000	\$137.07	145000	\$297.07	195000	\$470.82	245000	\$645.82
46000	\$36.82	96000	\$139.82	146000	\$300.32	196000	\$474.32	246000	\$649.32
47000	\$37.82	97000	\$142.57	147000	\$303.57	197000	\$477.82	247000	\$652.82
48000	\$38.82	98000	\$145.32	148000	\$306.82	198000	\$481.32	248000	\$656.32
49000	\$39.82	99000	\$148.07	149000	\$310.07	199000	\$484.82	249000	\$659.82
50000	\$40.82	100000	\$150.82	150000	\$313.32	200000	\$488.32	250000	\$663.32

**AGENDA ITEM SUMMARY**

**DATE:** 4/15/13 **DEPARTMENT:** PW - Water **DEPT. HEAD SIGNATURE:** 

**SUBJECT:** Consideration of proposed ordinance amending Municipal Code Title 13, to place the responsibility for cost of thawing frozen water services on the property owners rather than the City of Hailey

**AUTHORITY:**  ID Code \_\_\_\_\_  IAR \_\_\_\_\_  City Ordinance/Code \_\_\_\_\_  
(IF APPLICABLE)

**BACKGROUND/SUMMARY OF ALTERNATIVES CONSIDERED:**

A final recommended ordinance is attached along with Sections 13.04.130(D)(2) & (3) of the municipal code. As noted in Section 13.04.130(D) (2) when water is provided to a neighbor whose water service is frozen both properties are charged for either the amount of water actually used or 6,000 gallons, whichever is less and the next year's sewer bill; adjusted in April following the March meter reading; is either based on 6,000 gallons or the previous year's winter water use, whichever is less. 6,000 gallons of water use costs \$1.50 at our current rates.

**FISCAL IMPACT / PROJECT FINANCIAL ANALYSIS:** Caselle # \_\_\_\_\_  
Budget Line Item # \_\_\_\_\_ YTD Line Item Balance \$ \_\_\_\_\_  
Estimated Hours Spent to Date: \_\_\_\_\_ Estimated Completion Date: \_\_\_\_\_  
Staff Contact: \_\_\_\_\_ Phone # \_\_\_\_\_  
Comments: \_\_\_\_\_

**ACKNOWLEDGEMENT BY OTHER AFFECTED CITY DEPARTMENTS:** (IF APPLICABLE)

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> City Administrator | <input type="checkbox"/> Library             | <input type="checkbox"/> Benefits Committee |
| <input type="checkbox"/> City Attorney      | <input type="checkbox"/> Mayor               | <input type="checkbox"/> Streets            |
| <input type="checkbox"/> City Clerk         | <input type="checkbox"/> Planning            | <input type="checkbox"/> Treasurer          |
| <input type="checkbox"/> Building           | <input type="checkbox"/> Police              | _____                                       |
| <input type="checkbox"/> Engineer           | <input type="checkbox"/> Public Works, Parks | _____                                       |
| <input type="checkbox"/> Fire Dept.         | <input type="checkbox"/> P & Z Commission    | _____                                       |

**RECOMMENDATION FROM APPLICABLE DEPARTMENT HEAD:**

**ADMINISTRATIVE COMMENTS/APPROVAL:**

City Administrator \_\_\_\_\_ Dept. Head Attend Meeting (circle one) Yes No

**ACTION OF THE CITY COUNCIL:**

Date \_\_\_\_\_

City Clerk \_\_\_\_\_

**FOLLOW-UP:**

\*Ord./Res./Agrmt./Order Originals: Record  
Copies (all info.): \_\_\_\_\_  
Instrument # \_\_\_\_\_

\*Additional/Exceptional Originals to: \_\_\_\_\_  
Copies (AIS only)

4/4/2013

Mountain Express

Dear Editor;

RE: Hailey Proposed Frozen Water Pipe Fee

RECEIVED  
APR 05 2013  
BY: FILE Mayor, CC, P. 2- Moore, HD, TH

Out of curiosity I did a small experiment, I ran my water at a trickle as suggested by the City Gov., found out that it uses 3 gallons plus per hour. Simple math equates that to 72 gallons per day, 2160 gallons per month, 2,160,000 per 1000 households per month. This is in a city that installed water meters and offers discounts on sewer fees to encourage water conservation. I currently use about 1000 gallons of water per winter month; the "trickle" would triple my water consumption thus increasing my sewer and my water charges.

The City Gov. also wants the water to be run outside AS TO NOT overwhelm the treatment plant, Does anybody know what 8000(4months X 2160) gallons of water looks like frozen in your yard right next to the house foundation, not a good thing. The potential for spring thaw water seeping into basements and crawl spaces is very real.

The city failed to have in place codes and or building inspectors to oversee the installation of water lines into these older homes now they wish to put the burden of their failure onto the current home owners.

Thus far I have not had frozen pipes, T.G.

Ray Powell  
Pob 2857  
Hailey, ID 83333  
788 1918

CC; Hailey City Mayor, Pat Cooley, Geoffrey Moore,

Rec'd. 4/12/13 City of Hailey

Pat,

The information in the paper is understandably limited regarding discussion of this ordinance to place the financial burden associated with frozen pipes on citizens rather than the City. I acquire additional information from those attending the meetings. I am concerned about the absence of any apparent depth of analysis of this proposed ordinance and other issues.

Apparently, the Mayor was completely silent on this ordinance at the last meeting. Unusual, in that he has always been the *only* one to ever say anything at the meetings I have attended, even before he was Mayor. That he was silent, speaks volumes. Perhaps, like preserving the option of moving the airport, Fritz and I agree on this issue. I will now offer my arguments as to why this ordinance is extremely ill-advised.

Most obvious to anyone, is the fact that the system that delivers water to citizens was designed, built by, and is owned by the City of Hailey. For the City to arbitrarily attempt to abdicate responsibility for the City's own property and actions through ordinance, exposes the City to considerable risk of litigation by citizens and their insurance companies. The City was *NEGLIGENT* in installing the main water lines in Old Hailey at inappropriate depths, subjecting them to possible freezing under certain conditions – extreme cold temperatures and the absence of snow. If the service line from the too-shallow main line to residences should be at six-plus feet, it is reasonable to expect that the City, and its Inspector at the time those connections to the new main were made, inform citizens that they must excavate for their service line to a depth far below the main. They did not. I trust the City is currently advising those requesting new connections to do so.

If the motivation behind this ordinance is to save money, the MTE identifies \$5,500 as the cost for this year, a particularly bad one. Relative to the millions in annexation fees and hundreds of thousands in attorney's fees resulting from administrative failures associated with Cutter's, \$5,500 appears insignificant. The City could not buy commensurate public relations benefit from rescuing citizens with frozen pipes, for ten times that amount. This ordinance would exchanging that extremely valuable PR gain for the contempt that will accompany the absence of assistance by the City, and result in considerable damage to the City's already strained relationship with its citizens. The City has the personnel, equipment, and expertise to provide this emergency service far more efficiently than the private sector. The City should be reluctant to have this work performed by whoever has a backhoe and will do it the cheapest. Public Works personnel get to be heroes and build good will with citizens at virtually no cost. My first decade out of school, I worked for the Forest Service. Fire Crews on some Districts had an endless list of 'Project' and 'Fuels' Reduction' work to keep them busy, assisting with Recreation, Timber, and other disciplines. Fire Crews on other Districts sat around waiting to be dispatched to a fire. When a fire did break, the consistently active crews were far more focused, productive and efficient, and exhibited a much healthier attitude.

There are a lot of seniors on fixed incomes and an abundance of working poor who would be financially devastated by having to consider the expense of thawing frozen water lines. For many close to the edge, such an event might push them over. This may come as news to some, but not everyone has a *fat* public-sector job or inheritance, though sometimes it seems that every other person I talk to works for BCSD. The *working poor* are invisible in our community. Given the substantial population of *investor class* citizens with *huge incomes* in Blaine County, imagine the immense number of *working poor* it takes to drag the median income down to \$60K, an annual income that would be like winning the lottery to most.

My head spun at trying to determine the administrative complications that would be created by this ordinance, trying to adjust billing for water and sewer to rapidly changing environmental factors that require some residences to run water to prevent frozen pipes. There would be a constant assault of questions and complaints at City Hall regarding the City's methodology in response to one of these '*climate-adjusted*' billing events. Many people want to see the same bill every month, year to year, or they get upset. At one time, a friend writing mortgages told me that a third of homes in Hailey were not the *primary residence* of the owner. As a consequence, many are not occupied throughout the year. Do the newsletters in my paper bill warning to leave water running during extreme cold have an electronic counterpart attached to the notification acknowledging online payment?

A while back, I was pleased to see the excavation at Cutter's, assuming there would be some economic benefit to our community. There will be little benefit from the sale of materials, as the ICFs and R-Panels probably came from Jerome. Three guys can quickly assemble one of these housing units, and I doubt any local subcontractors for plumbing and electric will be used. So John Campbell and others selling the idea that this activity represents jobs are being disingenuous at best – *surprise, surprise!* There may be some sales commissions for realtors and hook-up fees for the City. These units will be an interesting test of the market.

Pat, I believe the Council and Mayor do not want to say or do anything to discourage your participation, which is commendable. I also believe that government has this ugly *quid pro quo* element to it, and that if they approve your bad idea (this ordinance), at some future date they will expect you to vote for one of their bad ideas, e.g. - annexing Quigley.

The good news is Ned got a trip to the ATM. Please let me know the cost of his work on this ill-conceived ordinance.

Thank you for your service,

William F. Hughes  
Hailey

HAILEY ORDINANCE NO. \_\_\_\_\_

AN ORDINANCE OF THE CITY OF HAILEY, IDAHO, AMENDING THE HAILEY MUNICIPAL CODE BY AMENDING SECTIONS 13.02.010(B)(7) AND (14) TO AMEND THE DEFINITIONS OF MUNICIPAL WATER SERVICE LINE AND WATER METER; BY AMENDING SECTION 13.04.040 TO MAKE USERS OF MUNICIPAL WATER RESPONSIBLE FOR MAINTENANCE OF A MUNICIPAL WATER SERVICE LINE AND PRIVATE WATER SERVICE LINE INCLUDING THAWING THE LINE; BY PROVIDING A SEVERABILITY CLAUSE; BY PROVIDING FOR A REPEALER CLAUSE; AND BY PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Chapter 13.04 of the Hailey Municipal Code presently only requires users of municipal water to maintain the service line between a building and a meter vault;

WHEREAS, only the user of a service line which is exposed to freezing can keep water circulating through the service line and thereby prevent freezing of the service line; and

WHEREAS, the Hailey City Council believes it is in the best interests of the users of the Hailey municipal water system to amend Chapters 13.02 and 13.04 of the Hailey Municipal Code to require users of municipal water to be responsible for the maintenance of the entire service line between a building to the water main.

NOW, THEREFORE, BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF HAILEY, IDAHO, AS FOLLOWS:

**Section 1.** Section 13.02.010(B)(7) of the Hailey Municipal Code is amended by the deletion of the stricken language, as follows:

7. "Municipal Water Service Line" shall mean that portion of an individual water service line that runs from its connection with the Water Main to and including the corporation stop, Meter Vault, Water Meter and radio signaling unit that is installed on the service line. It will be installed within the limits of the public right-of-way or utility easement, ~~and, after installation, it is owned and maintained by the City.~~

**Section 2.** Section 13.02.010(B)(14) of the Hailey Municipal Code is amended by the deletion of the stricken language, as follows:

14. "Water Meter" shall mean a device to measure water use regardless of its location and shall include a radio signal unit.

**Section 3.** Section 13.04.040 of the Hailey Municipal Code is amended by the deletion of the stricken language and the addition of the underlined language, as follows:

13.04.040 Water service lines and water service connections. All materials used and workmanship performed in the installation of a Private Water Service Line and connections to the Municipal Water Service Line shall conform to the following regulations:

A. No unauthorized person shall uncover, make any connections with or opening into, use, alter, or disturb any Water Main, Municipal Water Service Line, or appurtenance thereof, without first obtaining a water connection permit from the City. The permit shall not be issued until all water connection fees have been paid in full. If a building permit is required for a building requiring a water hookup, the Owner shall concurrently apply for a water connection permit. Water services and all Water User fees will commence upon submission of a "Request for Commencement/Discontinuance of Water Service" form. Any attempt by the Owner or Owner's agent to utilize water service to the Property by means other than the Water Service Line will result in immediate activation of the owner's account and the required commencement of payment of monthly water and wastewater fees.

B. To obtain municipal water services, the Owner or his agent shall make application on a special form furnished by the City. The permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgment of the City. A permit and inspection fee as established by the City Council in resolution shall be paid to the City at the time the application is filed.

C. All costs and expenses incident to the installation of the Private Water Service Line, the Private Fire Service Connection, if any, and the Municipal Water Service Line and the connection to the Water Main shall be borne by the Owner. The Private Water Service Line, the Private Fire Service Connection, if any, and the Municipal Water Service Line shall be installed in accordance with the applicable Standards. The Owner shall indemnify the City from any loss or damage that may directly or indirectly be caused by the installation of the Private Water Service Line, the Private Fire Service Connection, if any, and the Municipal Water Service Line and the connection to the Water Main.

D. The Owner shall be responsible for the maintenance and repair of the Private Water Service Line and the Private Fire Service Connection, if any, which provides Municipal Water to the Owner. The City shall be responsible for the maintenance and repair of Water Meters, provided the City has reasonable access to a Water Meter which may be located on private property. The City shall be responsible for the maintenance and repair of the Municipal Water Service Line, provided, however, it shall be the sole responsibility of each Owner to keep the Private Water Service Line, the Private Fire Service Connection, if any, the Water Meter and the Municipal Water Service Line, which provides Municipal Water to the Owner, from freezing. In the event the line freezes, the Owner may, using technique(s) approved by the City, thaw and clear the line at the Owner's sole expense. Any cost associated with the installation of temporary water shall be at the sole expense of the Owner who experienced the disruption of water service. All costs of metered water fees shall be allocated in accordance with Sections 13.04.130(D)(2) and (3) of this Chapter 13.04.

E. D. Except as otherwise provided herein, a separate and independent Municipal Water Service Line and connection shall be provided for every separate Property or for contiguous Properties owned by the same Person regardless of the number of buildings on the Property. If a Property consists of multiple buildings with divisible condominiums or townhomes and if the Property is managed by a owner's association, a separate and independent

Municipal Water Service Line shall serve the multiple buildings, with a billing for the water services in accordance with this chapter to the owner's association, unless the Owners of the condominium or townhome units install, at their expense, separate and independent Municipal Water Service Lines, in which case each Owner will be billed for water services in accordance with this chapter.

F. E. Existing Private Water Service Lines may be used in connection with new buildings only when they are found, on examination and testing as required by the City, to meet all requirements of this chapter.

G. F. The materials of construction of the Private Water Service Line and the Private Fire Service Connection and the methods to be used in excavating, placing of the pipe, jointing, testing and backfilling the trench, shall all conform to the requirements of the applicable Standards, State plumbing codes, and applicable AWWA/ANSI.NSF standards.

H. G. The Private Water Service Line shall not be smaller than a three-quarter inch (3/4") inside diameter pipe and shall be laid in a trench of such depth so that the minimum cover over the pipe from finished grade shall be five feet (5'). The alignment of the Private Water Service Line and the Municipal Water Service Line to the Water Main shall be reasonably straight and shall be located such that the distance between the Private and Municipal Water Service Lines and the Building Wastewater System line shall be a minimum of ten feet (10').

I. H. It shall be unlawful for a person to make or permit the cross-connection of any Private Water System to a water line that is served by the Municipal Water System, except as provided in Section 13.04.060, Cross Connections.

J. I. All connections to the Municipal Water Service Line shall require a Water and Wastewater permit and shall conform to the requirements of the applicable Standards and State plumbing codes.

K. J. The applicant for the water connection permit shall notify the City when the connection of the Private Water Service Line to the Municipal Water Service Line is ready for inspection and obtain approval from the City before receiving municipal water.

L. K. All excavations for the Private Water Service Line installation shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the City.

M. L. The installation of a Private Fire Service Connection shall comply in all respects to the requirements for a Municipal Water Service Line, and Building and Fire codes. The Owner or his agent will be required to pay all costs for connection and extension of the Private Fire Service Connection from the Water Main. The Owner shall also provide an easement to the City for access to any meter installed within private property for operation and maintenance purposes. Failure to provide an easement shall constitute grounds to disconnect water service to a Property.

N. M. The installation of a permanent Irrigation System, connected to the Private Water Service Line, shall require a separate irrigation permit and inspection. The Owner shall obtain this permit prior to installation, shall adhere to all Standards including Section 13.04.060, Cross Connections, and shall notify the City for inspection prior to operating the system.

O. N. The connection of the Private Water Service Line to the Municipal Water Service Line and the connection of a Private Fire Service Connection to the Water Main shall be made by a plumber holding a valid state plumber's license.

**Section 4. Severability Clause.** If any section, paragraph, sentence or provision hereof or the application thereof to any particular circumstances shall ever be held invalid or unenforceable, such holding shall not affect the remainder hereof, which shall continue in full force and effect and applicable to all circumstances to which it may validly apply.

**Section 5. Repealer Clause.** All Ordinances or parts thereof in conflict herewith are hereby repealed and rescinded.

**Section 6. Effective Date.** This Ordinance shall be in full force and effect after its passage, approval and publication according to law.

**PASSED AND ADOPTED BY THE HAILEY CITY COUNCIL** and approved by the Mayor this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

\_\_\_\_\_  
Fritz X. Haemmerle, Mayor

ATTEST:

\_\_\_\_\_  
Mary Cone, City Clerk

Publish: Idaho Mountain Express \_\_\_\_\_, 2013

Exceptions:

- a. If a leak is discovered in a Private Water Service Line between December 1 and April 15 of the following year, the thirty (30) and sixty (60) day periods described above to repair a leak shall begin on April 15 and the Credit Period as defined above shall be modified so that the Credit Period begins 30 days before the City is notified or the City sends notification, until June 14.
- b. If a leak is discovered in a Private Water Service Line and if the Water User is unable to repair the leak because a private contractor did not perform the repair within sixty (60) days following notification, the Credit Period shall be extended for an additional maximum period of thirty (30) days, provided the private contractor was contacted by the Water User and the private contractor agreed to perform the repair services within ten (10) days of the notification.

2. Provision of Water to Neighboring Water User. In the event water service is disrupted to a Water User based on a frozen Private Water Service Line between December 1 and April 15 of the following year, and a Water User provides water from the Municipal Water System to the Water User whose water service was disrupted following notification to the City, the metered water fee and metered wastewater fee to be charged to the Water User who provides water for the period of time between the date of notification and the date water is no longer provided to the Water User whose water service was disrupted (which shall not extend beyond April 15) shall be based on the water usage by the Water User whose water service was disrupted during same period of the previous year, or a water usage of 6000 gallons per month, whichever is less. In such a case, the metered water fee and the metered wastewater fee to be charged to the Water User whose water service was disrupted shall be based on the Water User's water usage during the same period of the previous year or on a water usage of 6000 gallons per month, whichever is less.

3. Freeze Protection. Subject to the requirements set forth herein, in the event water is required to continually or intermittently run to prevent frozen pipes in a Private Water Service Line between November 1 and March 31 of the following year and if the City is notified of the continual or intermittent use of water, the metered wastewater fee for the period of time between the date of notification and date water was not continually or intermittently run shall be based on the Water User's water usage as metered or 6000 gallons per month, whichever is less. The Owner shall not run the freeze protection water into the Wastewater system and shall provide proof satisfactory to the City that water is not run into the Wastewater system. If the Owner does not provide notification of the need to run water for freeze protection and proof that the water, which is continually or intermittently run, is not discharged into the Wastewater system, then there shall be no adjustment of the metered Wastewater fee. The provisions allowing for a reduction of Wastewater fees for freeze protection do not relieve an Owner from paying for the water used for freeze protection. (Ord. 1094 §§1-2, 2011; Ord. 1091, §§1-3, 2011, Ord. 1085 §§ 1-3, 2011, Ord. 1078 §1, 2010; Ord. 1073 §1, 2, 2010)

4/4/2013

Mountain Express

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RECEIVED  
APR 05 2013  
BY: FILE

Mayor, cc, P. 2- Moore, George HD, TH

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